IN THE CLAIMS

Please amend the claims as follows:

- 1-12. (Cancelled)
- 13. (New) A method for forming a semiconductor device, comprising the steps of:
- a) forming an insulating film comprising silicon on a substrate;
- b) forming a high dielectric insulating film on the insulating film; and
- c) irradiating a light onto the substrate having the high dielectric insulating film so as to reduce a crystal defect of the high dielectric insulating film.
 - 14. (New) The method of claim 13, wherein the insulating film contains nitrogen.
- 15. (New) The method of claim 13, wherein the substrate is heated by a heating source other than the light during step c).
 - 16. (New) The method of claim 13, wherein the light has a wavelength of $0.4\mu m$ or less.
- 17. (New) The method of claim 13, wherein the high dielectric insulating film contains at least one of hafnium, zirconium, lanthanum, cerium, praseodymium, neodymium, yttrium and aluminum.
- 18. (New) The method of claim 15, wherein the substrate is heated to about 100 to 500°C during step c).
- 19. (New) The method of claim 13, wherein a partial pressure of an oxygen gas or an oxygen compound gas is controlled during step c).
- 20. (New) The method of claim 13, wherein the atmosphere used in step c) includes a nitrogen gas or an inert gas.
 - 21. (New) A method for forming a semiconductor device, comprising the steps of:
 - a) forming an insulating film comprising silicon on a substrate:

- b) forming a high dielectric insulating film as a gate insulating film on the insulating film:
 - c) forming a gate electrode on the gate insulating film;
 - d) forming a side wall on a side face of the gate insulating film;
- e) forming a source/drain region placed on the side face of the gate insulating film in the substrate; and
- f) irradiating a light onto the substrate having the high dielectric insulating film and the source/drain region, so as to reduce a crystal defect of the high dielectric insulating film.
 - 22. (New) The method of claim 21, wherein the insulating film contains nitrogen.
- 23. (New) The method of claim 21, wherein the substrate is heated by a heating source other than the light during step f).
- 24. (New) The method of claim 21, wherein a surface of the substrate has a temperature of 1150 to 1250°C during step f).
 - 25. (New) The method of claim 21, wherein the light has a wavelength of $0.4\mu m$ or less.
- 26. (New) The method of claim 23, wherein the substrate is heated to about 100 to 500°C during step f).
- 27. (New) The method of claim 21, wherein the high dielectric insulating film contains at least one of hafnium, zirconium, lanthanum, cerium, praseodymium, neodymium, yttrium and aluminum.
- 28. (New) The method of claim 21, wherein a partial pressure of an oxygen gas or an oxygen compound gas is controlled during step f).
- 29. (New) The method of claim 21, wherein the atmosphere used in step f) includes a nitrogen gas or an inert gas.

- 30. (New) A method for forming a semiconductor device, comprising the steps of:
- a) forming a high dielectric insulating film on a substrate;
- b) forming a conductive film on the high dielectric insulating film;
- c) irradiating a light onto the substrate having the high dielectric insulating film and the conductive film;
- d) forming a gate insulating film and a gate electrode by removing a part of the high dielectric insulating film and the conductive film after step c);
 - e) forming a side wall on a side face of the gate insulating film; and
- f) forming a source/drain region placed on the side face of the gate insulating film in the substrate.
- 31. (New) The method of claim 30, wherein a crystal defect of the high dielectric insulating film is reduced during step c).
 - 32. (New) The method of claim 30, wherein the light has a wavelength of $0.4\mu m$ or less.
- 33. (New) The method of claim 30, wherein the conductive film contains titanium nitride.
- 34. (New) The method of claim 30, wherein the substrate is heated to about 300°C during step c).
- 35. (New) The method of claim 30, wherein the high dielectric insulating film contains at least one of hafnium, zirconium, lanthanum, cerium, prascodymium, neodymium, yttrium, and aluminum.
- 36. (New) The method of claim 30, wherein a partial pressure of an oxygen gas or an oxygen compound gas is controlled during step c).

- 37. (New) The method of claim 30, wherein the conductive film has a temperature of 850 to 950°C during step c).
 - 38. (New) A method for forming a semiconductor device, comprising the steps of:
 - a) forming a high dielectric insulating film on a lower capacitor electrode;
- b) irradiating a light on the high dielectric insulating film so as to reduce a crystal defect; and
 - c) forming an upper capacitor electrode on the high dielectric insulating film after step b), wherein the high dielectric insulating film is a capacitor insulating film.
- 39. (New) The method of claim 38, wherein the lower capacitor electrode is formed in the substrate.
- 40. (New) The method of claim 39, wherein the lower capacitor electrode is placed in the region between trench isolations.
- 41. (New) The method of claim 38, wherein the substrate is heated to about 300°C during step b).
- 42. (New) The method of claim 38, wherein the high dielectric insulating film contains at least one of hafnium, zirconium, lanthanum, cerium, praseodymium, neodymium, yttrium, and aluminum.
- 43. (New) The method of claim 38, wherein a partial pressure of an oxygen gas or an oxygen compound gas is controlled during step b).
 - 44. (New) The method of claim 38, wherein the light has a wavelength of $0.4\mu m$ or less.